

**Experiment Number:** 20006 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

Indole-3-carbinol  
**CAS Number:** 700-06-1

**Date Report Requested:** 06/15/2012  
**Time Report Requested:** 12:41:17  
**First Dose M/F:** 04/03/07 / 04/02/07  
**Lab:** BAT

F1\_M3

**NTP Study Number:** C20006B  
**Lock Date:** 03/08/2010  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.6.0.0\_007  
**PWG Approval Date:** NONE

## B6C3F1 MICE MALE

0 mg/kg

62.5 mg/kg

125 mg/kg

250 mg/kg

**Disposition Summary**

	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
<b>Animals Initially In Study</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>Early Deaths</b>				
<b>Accidentally Killed</b>				<b>1</b>
<b>Dosing Accident</b>			<b>1</b>	
<b>Moribund Sacrifice</b>	<b>17</b>	<b>12</b>	<b>11</b>	<b>9</b>
<b>Natural Death</b>	<b>6</b>	<b>7</b>	<b>6</b>	<b>8</b>
<b>Survivors</b>				
<b>Natural Death</b>	<b>1</b>			
<b>Terminal Sacrifice</b>	<b>26</b>	<b>31</b>	<b>32</b>	<b>32</b>
<b>Animals Examined Microscopically</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>

## ALIMENTARY SYSTEM

	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
Esophagus	(50)	(50)	(50)	(50)
Mineralization			1 (2%)	
Gallbladder	(50)	(50)	(49)	(48)
Atrophy				1 (2%)
Inflammation, Suppurative				1 (2%)
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Ulcer		1 (2%)		1 (2%)
Intestine Large, Colon	(50)	(50)	(50)	(50)
Inflammation, Chronic				1 (2%)
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Inflammation, Chronic		1 (2%)		
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Ulcer				1 (2%)
Epithelium, Atrophy				1 (2%)
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Intestine Small, Jejunum	(50)	(50)	(49)	(50)
Atrophy	1 (2%)			
Inflammation, Suppurative	1 (2%)			
Lymphangiectasis	1 (2%)			
Peyer's Patch, Hyperplasia		1 (2%)	1 (2%)	1 (2%)
Liver	(50)	(50)	(49)	(50)

a - Number of animals examined microscopically at site and number of animals with lesion

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Indole-3-carbinol

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First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
Basophilic Focus	2 (4%)	4 (8%)	2 (4%)	5 (10%)
Clear Cell Focus	7 (14%)	17 (34%)	22 (45%)	20 (40%)
Eosinophilic Focus	29 (58%)	35 (70%)	35 (71%)	33 (66%)
Fatty Change	29 (58%)	27 (54%)	28 (57%)	37 (74%)
Hepatodiaphragmatic Nodule		1 (2%)		1 (2%)
Inflammation, Chronic				1 (2%)
Mixed Cell Focus	1 (2%)	6 (12%)	6 (12%)	5 (10%)
Necrosis	3 (6%)	2 (4%)	2 (4%)	2 (4%)
Necrosis, Multifocal	1 (2%)			
Artery, Thrombosis				1 (2%)
Bile Duct, Hyperplasia				1 (2%)
Oval Cell, Hyperplasia				1 (2%)
Periportal, Fibrosis				1 (2%)
Mesentery	(7)	(3)	(2)	(2)
Fat, Necrosis	4 (57%)		2 (100%)	2 (100%)
Oral Mucosa	(0)	(1)	(0)	(2)
Pancreas	(50)	(50)	(50)	(50)
Inflammation, Chronic				2 (4%)
Acinus, Atrophy	1 (2%)		1 (2%)	
Duct, Cyst		1 (2%)		
Salivary Glands	(50)	(50)	(50)	(50)
Infiltration Cellular, Mononuclear Cell	23 (46%)	30 (60%)	27 (54%)	22 (44%)
Duct, Sublingual Gland, Hyperplasia			1 (2%)	
Stomach, Forestomach	(50)	(50)	(50)	(50)
Inflammation, Chronic		1 (2%)	4 (8%)	1 (2%)
Ulcer	6 (12%)	5 (10%)	7 (14%)	1 (2%)
Epithelium, Hyperplasia	2 (4%)	2 (4%)	4 (8%)	2 (4%)
Stomach, Glandular	(50)	(47)	(47)	(49)
Erosion	1 (2%)			
Inflammation, Chronic	1 (2%)	1 (2%)	18 (38%)	45 (92%)
Mineralization	5 (10%)	2 (4%)		
Pigmentation		1 (2%)	38 (81%)	48 (98%)
Epithelium, Atrophy				1 (2%)
Epithelium, Hyperplasia		1 (2%)	22 (47%)	40 (82%)
Tooth	(30)	(37)	(32)	(32)
Dysplasia	30 (100%)	36 (97%)	32 (100%)	32 (100%)

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P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

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First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
<b>CARDIOVASCULAR SYSTEM</b>				
Blood Vessel	(49)	(50)	(49)	(49)
Adventitia, Pulmonary Vein, Infiltration Cellular, Polymorphonuclear	1 (2%)			
Aorta, Mineralization		1 (2%)		
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	11 (22%)	7 (14%)	18 (36%)	8 (16%)
Inflammation, Chronic	1 (2%)			
Artery, Inflammation, Chronic	1 (2%)			
Artery, Mineralization		1 (2%)		
Myocardium, Mineralization		3 (6%)		1 (2%)
Valve, Inflammation				1 (2%)
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(50)	(50)	(50)	(50)
Hyperplasia	1 (2%)			1 (2%)
Hypertrophy		4 (8%)	2 (4%)	
Vacuolization Cytoplasmic		2 (4%)		
Adrenal Medulla	(50)	(50)	(50)	(50)
Hyperplasia	2 (4%)		1 (2%)	2 (4%)
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia	1 (2%)		1 (2%)	
Parathyroid Gland	(48)	(44)	(48)	(44)
Pituitary Gland	(50)	(50)	(50)	(50)
Cyst	2 (4%)	1 (2%)	1 (2%)	1 (2%)
Pars Intermedia, Hyperplasia		1 (2%)		
Thyroid Gland	(50)	(50)	(50)	(50)
Inflammation, Chronic				1 (2%)
Follicle, Cyst	1 (2%)			
Follicle, Degeneration				1 (2%)

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B6C3F1 MICE MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
<b>GENERAL BODY SYSTEM</b>				
None				
<b>GENITAL SYSTEM</b>				
Coagulating Gland	(1)	(0)	(0)	(0)
Epididymis	(50)	(50)	(50)	(50)
Angiectasis				1 (2%)
Granuloma Sperm				1 (2%)
Infiltration Cellular, Mononuclear Cell	1 (2%)	6 (12%)	3 (6%)	5 (10%)
Inflammation, Chronic		2 (4%)		
Preputial Gland	(50)	(50)	(50)	(50)
Cyst	14 (28%)	10 (20%)	6 (12%)	6 (12%)
Inflammation, Suppurative	2 (4%)			
Inflammation, Granulomatous		2 (4%)		2 (4%)
Prostate	(50)	(50)	(50)	(50)
Hyperplasia	2 (4%)		1 (2%)	1 (2%)
Inflammation, Suppurative			1 (2%)	
Inflammation, Chronic	1 (2%)			1 (2%)
Seminal Vesicle	(50)	(50)	(50)	(50)
Atrophy	1 (2%)			
Testes	(50)	(50)	(50)	(50)
Inflammation, Granulomatous	1 (2%)			
Inflammation, Chronic	1 (2%)			
Mineralization	1 (2%)			
Germinal Epithelium, Atrophy	2 (4%)		3 (6%)	3 (6%)
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(50)	(50)	(50)	(50)
Lymph Node	(2)	(2)	(0)	(4)
Mediastinal, Hyperplasia				1 (25%)
Pancreatic, Inflammation				1 (25%)

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Pancreatic, Necrosis		1 (50%)		
Renal, Inflammation				1 (25%)
Lymph Node, Mandibular	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid		1 (2%)		1 (2%)
Lymph Node, Mesenteric	(48)	(48)	(49)	(50)
Hematopoietic Cell Proliferation	1 (2%)			
Hyperplasia, Lymphoid				2 (4%)
Inflammation				1 (2%)
Spleen	(50)	(50)	(50)	(50)
Accessory Spleen			1 (2%)	
Atrophy				1 (2%)
Hematopoietic Cell Proliferation	16 (32%)	16 (32%)	24 (48%)	20 (40%)
Necrosis	1 (2%)			
Lymphoid Follicle, Atrophy	2 (4%)			
Thymus	(49)	(47)	(46)	(45)
Atrophy	44 (90%)	44 (94%)	45 (98%)	39 (87%)
Ectopic Parathyroid Gland		1 (2%)		1 (2%)

## INTEGUMENTARY SYSTEM

Mammary Gland	(2)	(0)	(0)	(0)
Skin	(50)	(50)	(50)	(50)
Ulcer	3 (6%)	2 (4%)	3 (6%)	1 (2%)
Subcutaneous Tissue, Inflammation, Acute			1 (2%)	
Subcutaneous Tissue, Inflammation, Chronic			2 (4%)	

## MUSCULOSKELETAL SYSTEM

Bone	(50)	(50)	(50)	(50)
Hyperostosis			1 (2%)	1 (2%)
Skeletal Muscle	(0)	(0)	(2)	(0)

## NERVOUS SYSTEM

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B6C3F1 MICE MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
Brain	(50)	(50)	(50)	(50)
Meninges, Inflammation, Chronic		1 (2%)		
<b>RESPIRATORY SYSTEM</b>				
Lung	(50)	(50)	(50)	(50)
Infiltration Cellular, Histiocyte		2 (4%)		1 (2%)
Inflammation, Chronic		1 (2%)	1 (2%)	1 (2%)
Pigmentation, Hemosiderin		1 (2%)		
Thrombosis			1 (2%)	
Alveolar Epithelium, Hyperplasia	3 (6%)	4 (8%)	5 (10%)	
Mediastinum, Inflammation, Granulomatous			1 (2%)	
Nose	(50)	(50)	(50)	(50)
Foreign Body	3 (6%)	1 (2%)		3 (6%)
Inflammation	15 (30%)	11 (22%)	12 (24%)	16 (32%)
Polyp, Inflammatory	1 (2%)	2 (4%)	3 (6%)	1 (2%)
Respiratory Metaplasia			1 (2%)	
Nerve, Atrophy				8 (16%)
Nerve, Olfactory Epithelium, Atrophy		1 (2%)		
Olfactory Epithelium, Accumulation, Hyaline Droplet	4 (8%)	4 (8%)	5 (10%)	5 (10%)
Olfactory Epithelium, Atrophy	3 (6%)	5 (10%)	11 (22%)	17 (34%)
Olfactory Epithelium, Degeneration	1 (2%)	1 (2%)	4 (8%)	2 (4%)
Olfactory Epithelium, Metaplasia, Squamous				2 (4%)
Olfactory Epithelium, Necrosis				6 (12%)
Olfactory Epithelium, Respiratory Metaplasia	14 (28%)	14 (28%)	20 (40%)	27 (54%)
Respiratory Epithelium, Accumulation, Hyaline Droplet	18 (36%)	34 (68%)	30 (60%)	26 (52%)
Respiratory Epithelium, Hyperplasia	35 (70%)	40 (80%)	41 (82%)	45 (90%)
Respiratory Epithelium, Metaplasia, Squamous				1 (2%)
Respiratory Epithelium, Necrosis				2 (4%)
Trachea	(50)	(50)	(50)	(50)

## SPECIAL SENSES SYSTEM

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B6C3F1 MICE MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
Eye	(50)	(50)	(50)	(50)
Phthisis Bulbi	1 (2%)	1 (2%)		
Anterior Chamber, Inflammation, Suppurative		1 (2%)		1 (2%)
Cornea, Inflammation, Suppurative		1 (2%)		
Cornea, Inflammation, Chronic	2 (4%)	3 (6%)	2 (4%)	1 (2%)
Optic Nerve, Infiltration Cellular, Mononuclear Cell				1 (2%)
Harderian Gland	(50)	(50)	(50)	(50)
Hyperplasia	1 (2%)	4 (8%)	5 (10%)	3 (6%)
Inflammation, Suppurative	1 (2%)	1 (2%)		
Inflammation, Chronic		1 (2%)		
<b>URINARY SYSTEM</b>				
Kidney	(50)	(50)	(50)	(50)
Infarct	3 (6%)	2 (4%)		
Inflammation, Acute		2 (4%)		
Inflammation, Chronic	1 (2%)			1 (2%)
Metaplasia, Osseous	1 (2%)	1 (2%)	1 (2%)	1 (2%)
Mineralization	4 (8%)	8 (16%)	1 (2%)	2 (4%)
Nephropathy	42 (84%)	50 (100%)	45 (90%)	43 (86%)
Thrombosis		1 (2%)		
Papilla, Necrosis	1 (2%)			1 (2%)
Pelvis, Inflammation, Suppurative	2 (4%)	2 (4%)	1 (2%)	
Renal Tubule, Cyst	1 (2%)	3 (6%)	2 (4%)	2 (4%)
Renal Tubule, Hyperplasia			1 (2%)	
Renal Tubule, Pigmentation	1 (2%)	1 (2%)	1 (2%)	5 (10%)
Renal Tubule, Vacuolization Cytoplasmic	1 (2%)			
Urethra	(0)	(1)	(0)	(0)
Inflammation, Acute		1 (100%)		
Urinary Bladder	(50)	(50)	(50)	(50)
Hemorrhage		1 (2%)		
Inflammation, Chronic	1 (2%)	2 (4%)		

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**B6C3F1 MICE MALE**

**0 mg/kg**

**62.5 mg/kg**

**125 mg/kg**

**250 mg/kg**

---

\*\*\* END OF MALE \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion

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0 mg/kg

62.5 mg/kg

125 mg/kg

250 mg/kg

## Disposition Summary

	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
<b>Animals Initially In Study</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>Early Deaths</b>				
<b>Dosing Accident</b>	<b>1</b>			
<b>Moribund Sacrifice</b>	<b>10</b>	<b>6</b>	<b>15</b>	<b>3</b>
<b>Natural Death</b>	<b>6</b>	<b>4</b>	<b>9</b>	<b>2</b>
<b>Survivors</b>				
<b>Moribund Sacrifice</b>			<b>1</b>	
<b>Terminal Sacrifice</b>	<b>33</b>	<b>40</b>	<b>25</b>	<b>45</b>
<b>Animals Examined Microscopically</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>

## ALIMENTARY SYSTEM

	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
Esophagus	(50)	(50)	(50)	(50)
Gallbladder	(49)	(50)	(50)	(50)
Cyst		1 (2%)		
Inflammation, Chronic	1 (2%)			
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Intestine Large, Colon	(50)	(50)	(50)	(50)
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Ulcer	1 (2%)			
Epithelium, Hyperplasia	1 (2%)			
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Ulcer	1 (2%)			
Liver	(50)	(50)	(50)	(50)
Angiectasis	1 (2%)			
Basophilic Focus	4 (8%)	6 (12%)	7 (14%)	5 (10%)
Clear Cell Focus	3 (6%)	2 (4%)	1 (2%)	1 (2%)
Eosinophilic Focus	16 (32%)	26 (52%)	26 (52%)	21 (42%)
Fatty Change	36 (72%)	39 (78%)	35 (70%)	40 (80%)
Hematopoietic Cell Proliferation	2 (4%)			
Hemorrhage		2 (4%)		
Hepatodiaphragmatic Nodule				1 (2%)

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Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
Hyperplasia, Lymphoid Inflammation, Chronic		1 (2%)		1 (2%)
Mixed Cell Focus	2 (4%)	4 (8%)	5 (10%)	1 (2%)
Necrosis	1 (2%)	1 (2%)	1 (2%)	
Bile Duct, Cyst Centrilobular, Necrosis		1 (2%)	1 (2%)	
Mesentery	(3)	(7)	(7)	(6)
Fat, Necrosis	3 (100%)	6 (86%)	7 (100%)	5 (83%)
Pancreas	(50)	(50)	(50)	(50)
Angiectasis		1 (2%)		
Inflammation, Chronic	1 (2%)	1 (2%)		
Acinus, Atrophy				1 (2%)
Acinus, Hyperplasia	1 (2%)	2 (4%)	1 (2%)	
Duct, Cyst	1 (2%)			
Salivary Glands	(50)	(49)	(50)	(50)
Hyperplasia	1 (2%)			
Duct, Cyst				1 (2%)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Inflammation, Chronic	1 (2%)			
Ulcer	9 (18%)	4 (8%)	8 (16%)	3 (6%)
Epithelium, Hyperplasia			1 (2%)	
Stomach, Glandular	(48)	(50)	(49)	(50)
Erosion				1 (2%)
Hyperplasia, Lymphoid	1 (2%)			
Inflammation, Chronic		15 (30%)	29 (59%)	47 (94%)
Mineralization	2 (4%)		3 (6%)	
Pigmentation		15 (30%)	31 (63%)	49 (98%)
Epithelium, Hyperplasia	1 (2%)	7 (14%)	10 (20%)	35 (70%)
Tongue	(0)	(0)	(0)	(1)
Tooth	(6)	(9)	(9)	(11)
Dysplasia	6 (100%)	9 (100%)	9 (100%)	10 (91%)

## CARDIOVASCULAR SYSTEM

Blood Vessel	(48)	(50)	(50)	(50)
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Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
Mineralization			1 (2%)	
Aorta, Inflammation, Chronic				1 (2%)
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	4 (8%)	3 (6%)	1 (2%)	2 (4%)
Inflammation, Chronic		1 (2%)		
Artery, Inflammation, Chronic			1 (2%)	1 (2%)
Myocardium, Mineralization	2 (4%)			1 (2%)

## ENDOCRINE SYSTEM

Adrenal Cortex	(49)	(50)	(50)	(50)
Hematopoietic Cell Proliferation	1 (2%)			
Hyperplasia	1 (2%)	1 (2%)		
Inflammation, Chronic	1 (2%)			
Necrosis		1 (2%)		1 (2%)
Vacuolization Cytoplasmic	1 (2%)	1 (2%)	1 (2%)	
Adrenal Medulla	(49)	(50)	(50)	(50)
Hyperplasia	1 (2%)	1 (2%)	3 (6%)	
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia	5 (10%)	1 (2%)	4 (8%)	1 (2%)
Parathyroid Gland	(43)	(48)	(49)	(46)
Pituitary Gland	(49)	(50)	(50)	(49)
Cyst		2 (4%)		
Pars Distalis, Hyperplasia	5 (10%)	18 (36%)	6 (12%)	4 (8%)
Pars Distalis, Vacuolization Cytoplasmic				1 (2%)
Pars Intermedia, Hyperplasia	1 (2%)			
Thyroid Gland	(50)	(50)	(49)	(50)
Inflammation, Chronic			1 (2%)	
Follicle, Hyperplasia				1 (2%)

## GENERAL BODY SYSTEM

Tissue NOS	(0)	(0)	(1)	(0)
Inflammation, Chronic			1 (100%)	

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:17

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

## B6C3F1 MICE FEMALE

0 mg/kg

62.5 mg/kg

125 mg/kg

250 mg/kg

## GENITAL SYSTEM

Clitoral Gland	(49)	(50)	(50)	(50)
Ovary	(50)	(50)	(50)	(50)
Angiectasis			1 (2%)	1 (2%)
Cyst	16 (32%)	15 (30%)	9 (18%)	8 (16%)
Inflammation, Chronic	1 (2%)		1 (2%)	
Mineralization			1 (2%)	
Thrombosis	2 (4%)		2 (4%)	2 (4%)
Uterus	(50)	(50)	(50)	(50)
Inflammation, Suppurative		1 (2%)		
Inflammation, Chronic		4 (8%)		
Metaplasia, Squamous			1 (2%)	
Necrosis	1 (2%)			
Endometrium, Hyperplasia, Cystic	36 (72%)	32 (64%)	30 (60%)	34 (68%)

## HEMATOPOIETIC SYSTEM

Bone Marrow	(50)	(50)	(50)	(50)
Lymph Node	(9)	(5)	(6)	(1)
Lumbar, Ectasia	1 (11%)			
Lumbar, Hemorrhage			1 (17%)	
Renal, Ectasia	2 (22%)	1 (20%)	2 (33%)	
Lymph Node, Mandibular	(50)	(49)	(50)	(50)
Lymph Node, Mesenteric	(49)	(49)	(49)	(49)
Spleen	(50)	(50)	(50)	(50)
Angiectasis	1 (2%)			
Hematopoietic Cell Proliferation	30 (60%)	30 (60%)	27 (54%)	23 (46%)
Hyperplasia, Granulocytic			1 (2%)	
Hyperplasia, Lymphoid		1 (2%)		
Hyperplasia, Mast Cell				1 (2%)
Pigmentation, Hemosiderin	1 (2%)			
Lymphoid Follicle, Atrophy		1 (2%)		
Lymphoid Follicle, Hyperplasia	2 (4%)			

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**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

Indole-3-carbinol

CAS Number: 700-06-1

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Lab: BAT

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B6C3F1 MICE FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
Thymus	(49)	(50)	(50)	(50)
Atrophy	42 (86%)	40 (80%)	40 (80%)	41 (82%)
Hyperplasia		1 (2%)		
<hr/>				
INTEGUMENTARY SYSTEM				
Mammary Gland	(50)	(50)	(50)	(50)
Inflammation, Chronic	1 (2%)			
Skin	(50)	(50)	(50)	(50)
Ulcer	1 (2%)		1 (2%)	
Subcutaneous Tissue, Fibrosis	1 (2%)			
Subcutaneous Tissue, Hemorrhage				1 (2%)
Subcutaneous Tissue, Inflammation, Chronic			1 (2%)	
<hr/>				
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Fibro-Osseous Lesion	9 (18%)	13 (26%)	11 (22%)	17 (34%)
Fracture	1 (2%)			
Skeletal Muscle	(0)	(1)	(2)	(0)
<hr/>				
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Hemorrhage	1 (2%)			
Inflammation, Granulomatous				1 (2%)
Hypothalamus, Compression	2 (4%)			
Meninges, Inflammation, Chronic		1 (2%)		
<hr/>				
RESPIRATORY SYSTEM				
Lung	(50)	(50)	(50)	(50)
Hemorrhage				1 (2%)

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Experiment Number: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

Indole-3-carbinol

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B6C3F1 MICE FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
Hyperplasia, Lymphoid Inflammation, Chronic		1 (2%)		
Metaplasia, Osseous			1 (2%)	
Thrombosis	1 (2%)			
Alveolar Epithelium, Hyperplasia	1 (2%)	2 (4%)	1 (2%)	2 (4%)
Alveolus, Infiltration Cellular, Histiocyte	1 (2%)	1 (2%)	1 (2%)	1 (2%)
Mediastinum, Inflammation, Chronic	1 (2%)			
Nose	(50)	(50)	(50)	(50)
Foreign Body			1 (2%)	2 (4%)
Inflammation	4 (8%)	1 (2%)	8 (16%)	39 (78%)
Nerve, Atrophy			1 (2%)	50 (100%)
Nerve, Olfactory Epithelium, Atrophy	1 (2%)	1 (2%)		
Olfactory Epithelium, Accumulation, Hyaline Droplet	18 (36%)	27 (54%)	21 (42%)	44 (88%)
Olfactory Epithelium, Atrophy	1 (2%)	2 (4%)	3 (6%)	45 (90%)
Olfactory Epithelium, Degeneration			2 (4%)	3 (6%)
Olfactory Epithelium, Necrosis			2 (4%)	
Olfactory Epithelium, Respiratory Metaplasia	7 (14%)	8 (16%)	16 (32%)	49 (98%)
Respiratory Epithelium, Accumulation, Hyaline Droplet	47 (94%)	38 (76%)	42 (84%)	50 (100%)
Respiratory Epithelium, Hyperplasia	32 (64%)	31 (62%)	38 (76%)	50 (100%)
Respiratory Epithelium, Metaplasia, Squamous	1 (2%)			
Respiratory Epithelium, Necrosis	2 (4%)		1 (2%)	
Trachea	(50)	(50)	(50)	(50)

## SPECIAL SENSES SYSTEM

Ear	(2)	(0)	(0)	(0)
Eye	(50)	(50)	(50)	(50)
Cornea, Inflammation, Chronic	1 (2%)		1 (2%)	1 (2%)
Lens, Cataract		1 (2%)	1 (2%)	1 (2%)
Harderian Gland	(50)	(50)	(50)	(50)
Dilatation				6 (12%)
Hyperplasia	2 (4%)	3 (6%)	5 (10%)	9 (18%)
Infiltration Cellular, Mononuclear Cell	24 (48%)	18 (36%)	8 (16%)	22 (44%)

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Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1

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B6C3F1 MICE FEMALE

0 mg/kg

62.5 mg/kg

125 mg/kg

250 mg/kg

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URINARY SYSTEM

Kidney	(50)	(50)	(50)	(50)
Infarct	3 (6%)		1 (2%)	
Metaplasia, Osseous				1 (2%)
Mineralization	4 (8%)	3 (6%)	4 (8%)	
Nephropathy	24 (48%)	25 (50%)	19 (38%)	20 (40%)
Artery, Inflammation, Chronic				1 (2%)
Renal Tubule, Accumulation, Hyaline Droplet				1 (2%)
Renal Tubule, Cyst			1 (2%)	1 (2%)
Renal Tubule, Pigmentation	1 (2%)			
Urinary Bladder	(50)	(50)	(50)	(50)
Infiltration Cellular, Mononuclear Cell	3 (6%)			
Transitional Epithelium, Hyperplasia				1 (2%)

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\*\*\* END OF REPORT \*\*\*

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